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| Issue Classification  | Application No. | Applicant(s) | |
| | 10/027,689 | LI ET AL. | |
| | Examiner | Art Unit | |
| | SANG KIM | 3654 | |

| ISSUE CLASSIFICATION | | | | | | | | | |
|--|---|----------|----|---------------------------|-----------------------------------|----|--|--------------------------|--|
| ORIGINAL | | | | CROSS REFERENCE(S) | | | | | |
| CLASS | | SUBCLASS | | CLASS | SUBCLASS (ONE SUBCLASS PER BLOCK) | | | | |
| 242 | | 400.1 | | 385 | 135 | | | | |
| INTERNATIONAL CLASSIFICATION | | | | 191 | 12.2 | | | | |
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| (Assistant Examiner) (Date) | | | | | | | | Total Claims Allowed: 18 | |
| <i>Camelia Allen</i> 07/14/04 (Legal Instruments Examiner) (Date) | | | | | | | | O.G. Print Claim(s) 1 | |
| | | | | (Primary Examiner) (Date) | | | | | |

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|--|----------|-------|----------|------------------------------|----------|-------|----------|-------------------------------|----------|-------|----------|---------------------------------|----------|--|--|
| <input type="checkbox"/> Claims renumbered in the same order as presented by applicant | | | | <input type="checkbox"/> CPA | | | | <input type="checkbox"/> T.D. | | | | <input type="checkbox"/> R.1.47 | | | |
| Final | Original | Final | Original | Final | Original | Final | Original | Final | Original | Final | Original | Final | Original | | |
| 1 | 1 | | 31 | | 61 | | 91 | | 121 | | 151 | | 181 | | |
| | 2 | | 32 | | 62 | | 92 | | 122 | | 152 | | 182 | | |
| 2 | 3 | | 33 | | 63 | | 93 | | 123 | | 153 | | 183 | | |
| 3 | 4 | | 34 | | 64 | | 94 | | 124 | | 154 | | 184 | | |
| | 5 | | 35 | | 65 | | 95 | | 125 | | 155 | | 185 | | |
| 4 | 6 | | 36 | | 66 | | 96 | | 126 | | 156 | | 186 | | |
| 5 | 7 | | 37 | | 67 | | 97 | | 127 | | 157 | | 187 | | |
| 6 | 8 | | 38 | | 68 | | 98 | | 128 | | 158 | | 188 | | |
| 9 | 9 | | 39 | | 69 | | 99 | | 129 | | 159 | | 189 | | |
| 10 | 10 | | 40 | | 70 | | 100 | | 130 | | 160 | | 190 | | |
| 11 | 11 | | 41 | | 71 | | 101 | | 131 | | 161 | | 191 | | |
| 7 | 12 | | 42 | | 72 | | 102 | | 132 | | 162 | | 192 | | |
| 8 | 13 | | 43 | | 73 | | 103 | | 133 | | 163 | | 193 | | |
| 12 | 14 | | 44 | | 74 | | 104 | | 134 | | 164 | | 194 | | |
| 13 | 15 | | 45 | | 75 | | 105 | | 135 | | 165 | | 195 | | |
| 14 | 16 | | 46 | | 76 | | 106 | | 136 | | 166 | | 196 | | |
| 15 | 17 | | 47 | | 77 | | 107 | | 137 | | 167 | | 197 | | |
| 16 | 18 | | 48 | | 78 | | 108 | | 138 | | 168 | | 198 | | |
| 17 | 19 | | 49 | | 79 | | 109 | | 139 | | 169 | | 199 | | |
| 18 | 20 | | 50 | | 80 | | 110 | | 140 | | 170 | | 200 | | |
| | 21 | | 51 | | 81 | | 111 | | 141 | | 171 | | 201 | | |
| | 22 | | 52 | | 82 | | 112 | | 142 | | 172 | | 202 | | |
| | 23 | | 53 | | 83 | | 113 | | 143 | | 173 | | 203 | | |
| | 24 | | 54 | | 84 | | 114 | | 144 | | 174 | | 204 | | |
| | 25 | | 55 | | 85 | | 115 | | 145 | | 175 | | 205 | | |
| | 26 | | 56 | | 86 | | 116 | | 146 | | 176 | | 206 | | |
| | 27 | | 57 | | 87 | | 117 | | 147 | | 177 | | 207 | | |
| | 28 | | 58 | | 88 | | 118 | | 148 | | 178 | | 208 | | |
| | 29 | | 59 | | 89 | | 119 | | 149 | | 179 | | 209 | | |
| | 30 | | 60 | | 90 | | 120 | | 150 | | 180 | | 210 | | |

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12/21/01
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U.S. UTILITY Patent Application

PATENT NUMBER and
ISSUE DATE

| | | | | | |
|----------------------|---------------------------|--------------|---------------------|-------------|--------------------------|
| APPL NUM 10027689 | FILING DATE 12/21/2001 | CLASS 242 | SUBCLASS 400.100 | GAU 3653 | EXAMINER <i>S-KIM</i> |
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****APPLICANTS:** Li Hong; Laughlin Kenneth; Mitchell Craig; Ruberto Thomas;
3654

****CONTINUING DATA VERIFIED:**

**** FOREIGN APPLICATIONS VERIFIED:**

| | | | |
|---|--|----------------------------------|--------------------------------|
| PG-PUB | DO NOT PUBLISH <input checked="" type="checkbox"/> | RESCIND <input type="checkbox"/> | ATTORNEY DOCKET NO 8773/118 |
| Foreign priority claimed <input type="checkbox"/> yes <input checked="" type="checkbox"/> no | | | |
| 35 USC 119 conditions met <input type="checkbox"/> yes <input checked="" type="checkbox"/> no | | | |
| Verified and Acknowledged Examiners's initials <i>SK</i> | | | |
| TITLE : Spool apparatus and method for harnessing optical fiber to a circuit board | | | |

U.S. DEPT. OF COM. / PAT. & TM. PTO-226 (REV. 12-94)

| | | | |
|--|-----------|------------------------------------|---------------------------|
| NOTICE OF ALLOWANCE MAILED | | CLAIMS ALLOWED | |
| | | Total Claims 18 | Print Claim for O.G. 1 |
| ISSUE FEE | | DRAWING | |
| Amount Due | Date Paid | Sheets Drwg. 3 | Figs. Drwg. 3 |
| | | Print Fig. 2 | |
| | | SUPERVISORY PATENT EXAMINER | |
| <input type="checkbox"/> TERMINAL DISCLAIMER | | PREPARED FOR ISSUE | |
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